

1/25

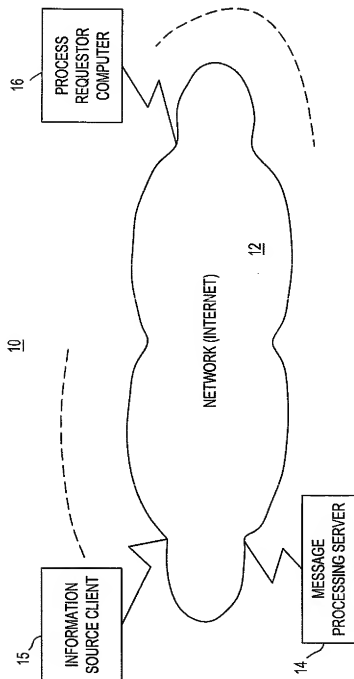


FIG. 1

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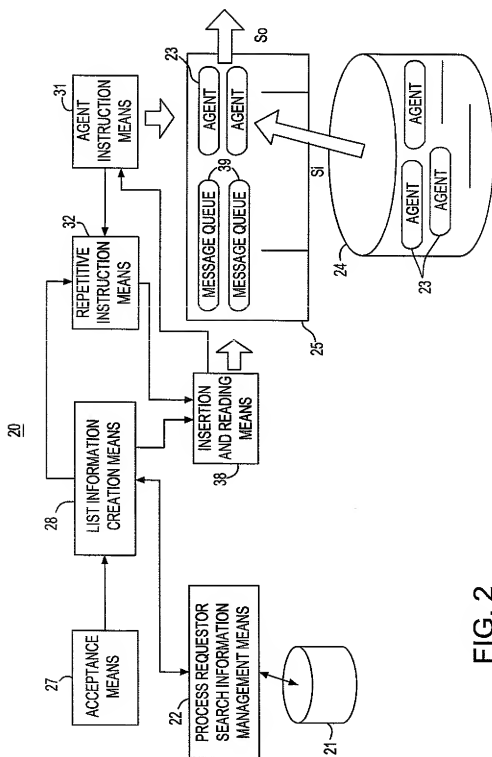


FIG. 2

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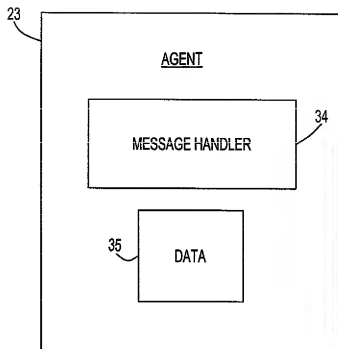


FIG. 3

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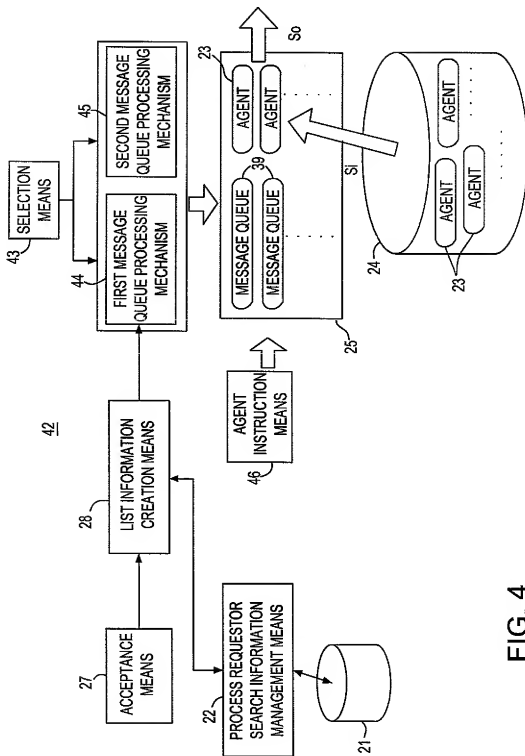


FIG. 4

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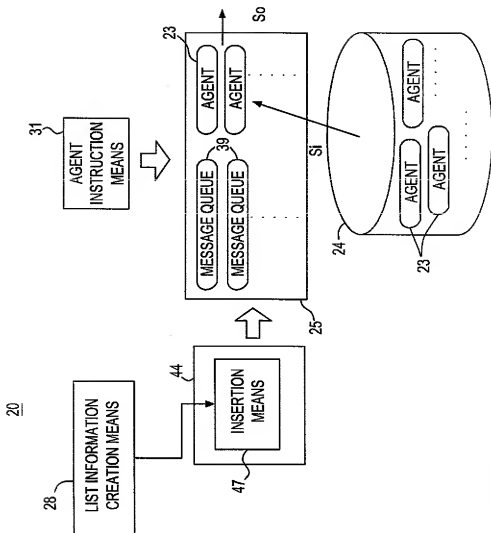


FIG. 5

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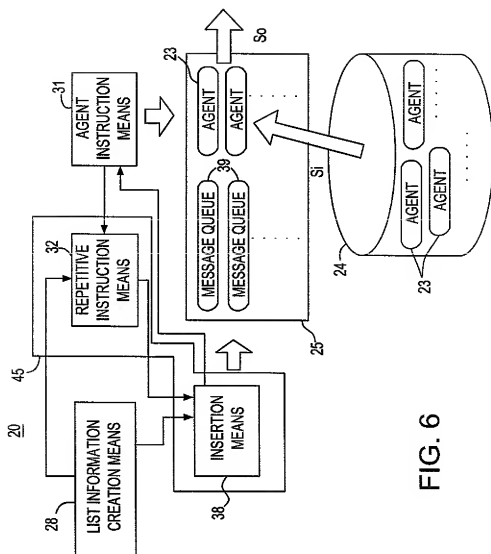


FIG. 6

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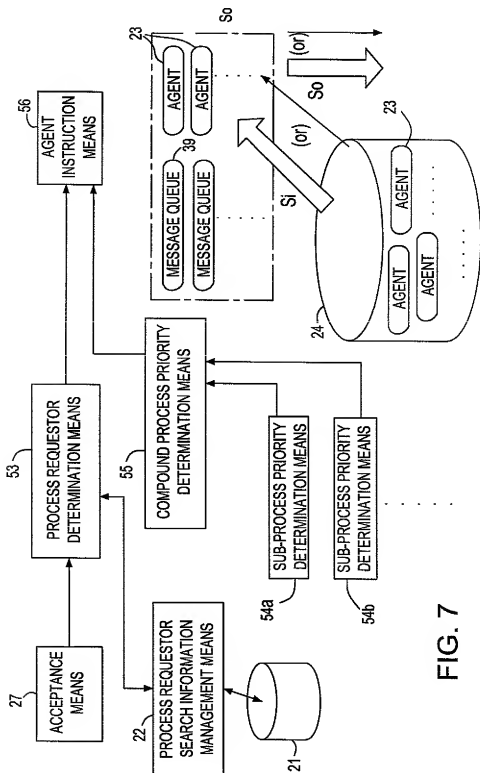


FIG. 7

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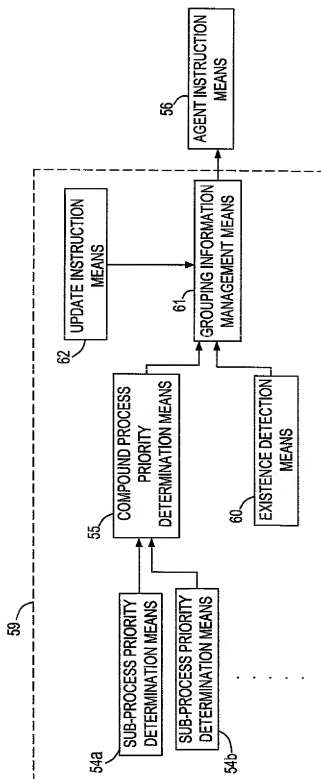


FIG. 8

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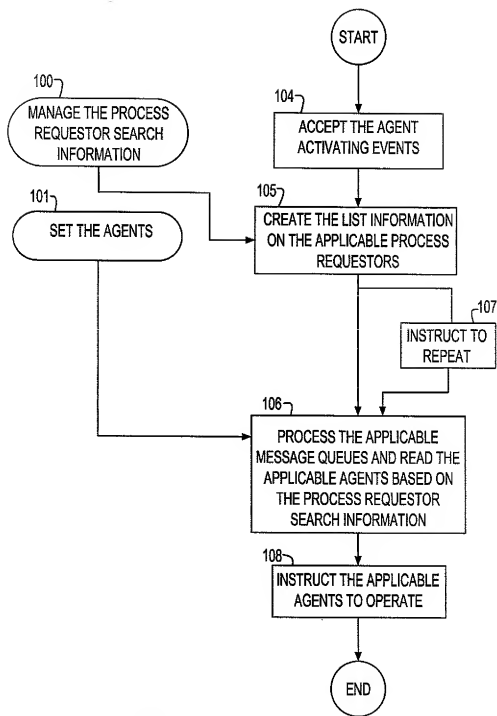


FIG. 10

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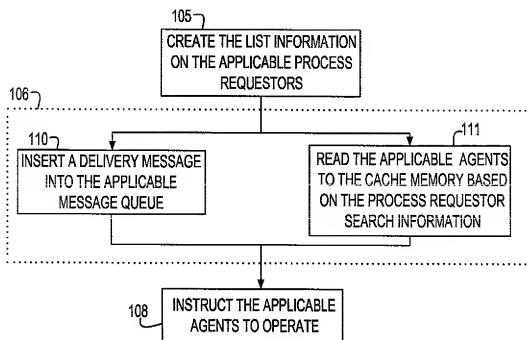


FIG. 11

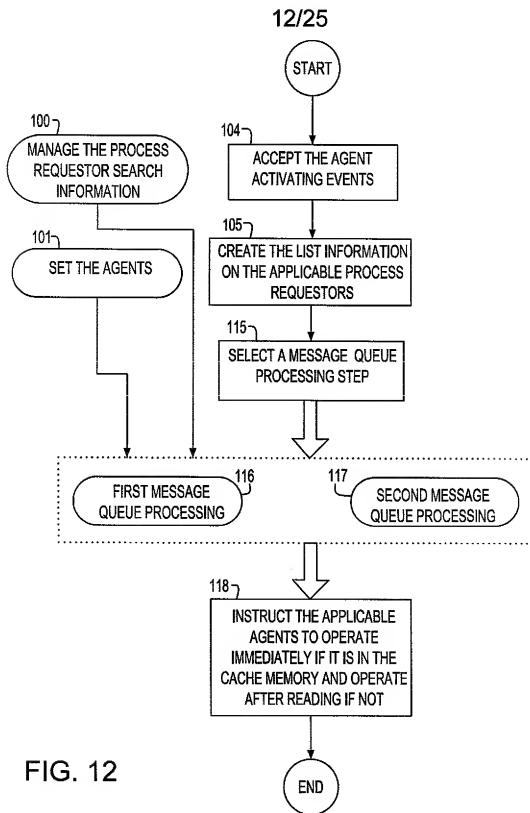
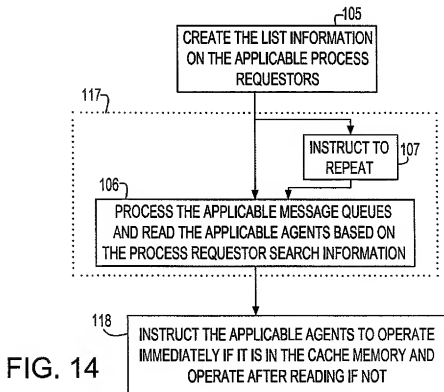
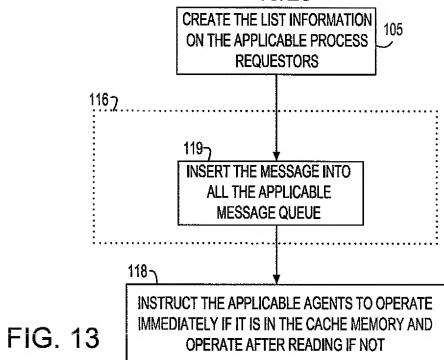


FIG. 12

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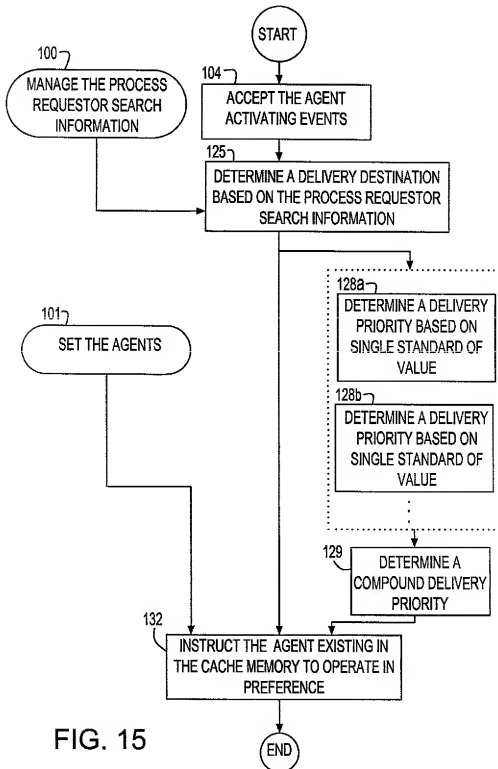


FIG. 15

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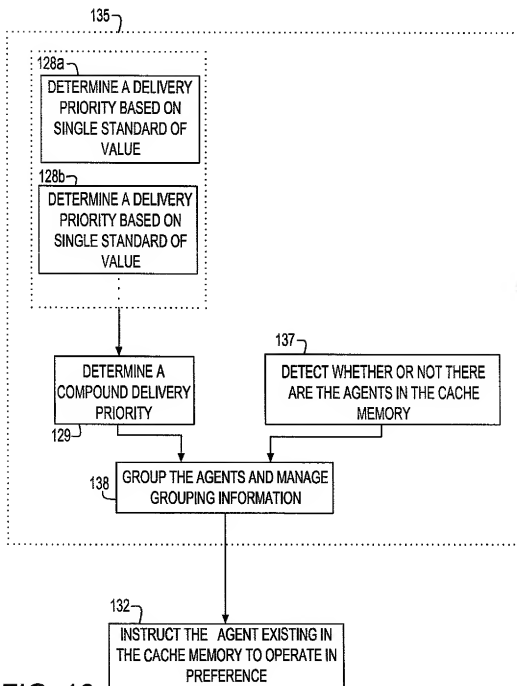


FIG. 16

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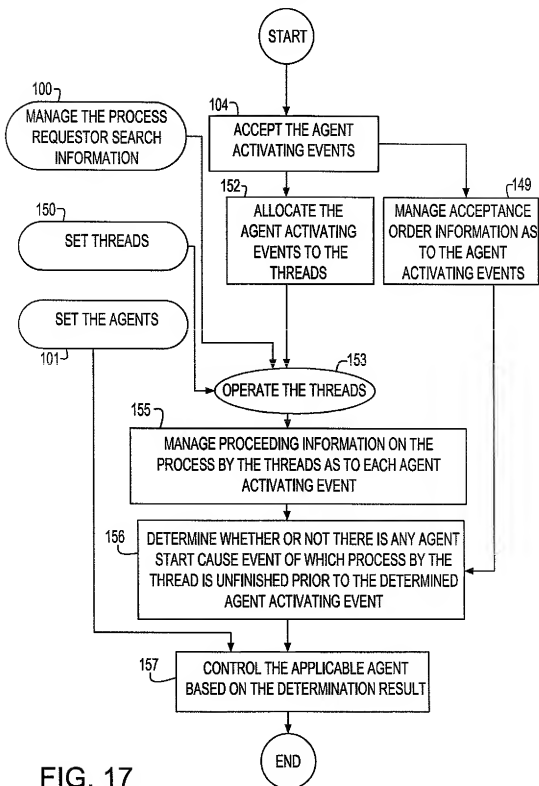


FIG. 17

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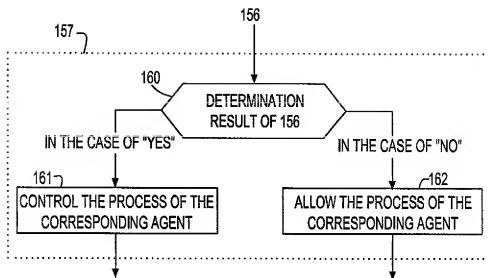


FIG. 18

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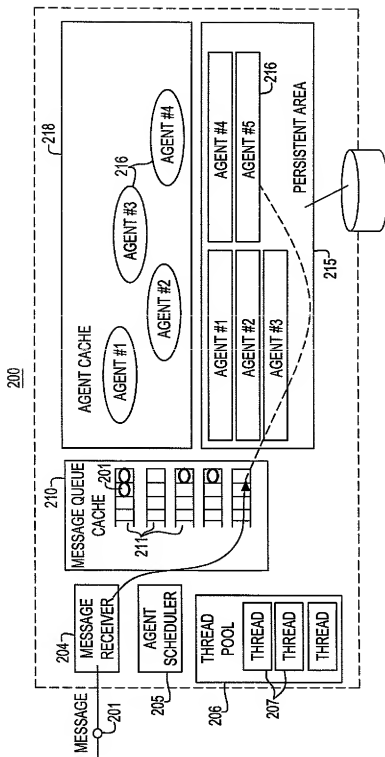


FIG. 19

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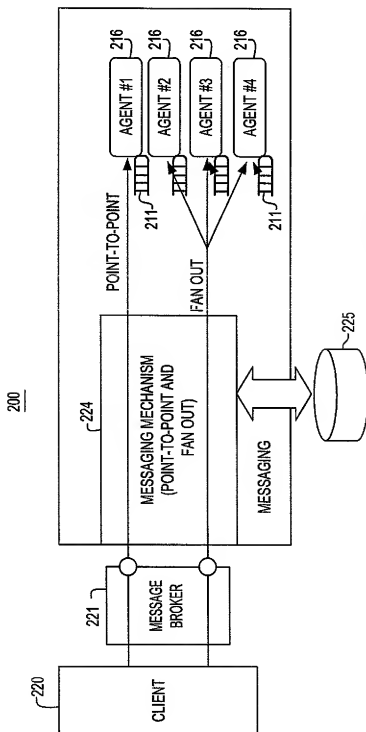


FIG. 20

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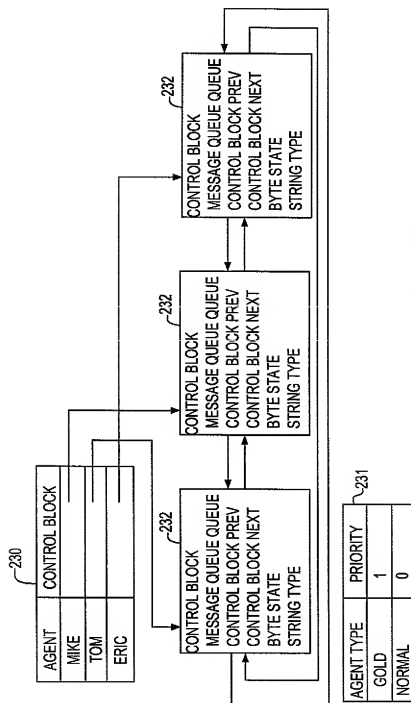


FIG. 21

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RUNNING	THE THREADS ARE ALLOCATED
IN_FILLED	THE MESSAGE IS IN THE AGENT CACHE AND ALSO IN THE MESSAGE QUEUE
IN_EMPTY	THE MESSAGE IS IN THE AGENT CACHE BUT THE MESSAGE QUEUE IS EMPTY
OUT_FILLED	THE MESSAGE IS NOT IN THE AGENT CACHE BUT IS IN THE MESSAGE QUEUE
OUT_EMPTY	THE MESSAGE IS NOT IN THE AGENT CACHE AND THE MESSAGE QUEUE IS EMPTY

FIG. 22

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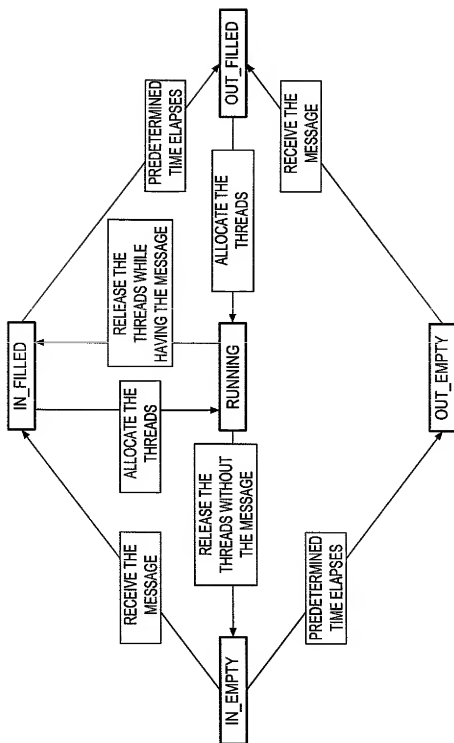


FIG. 23

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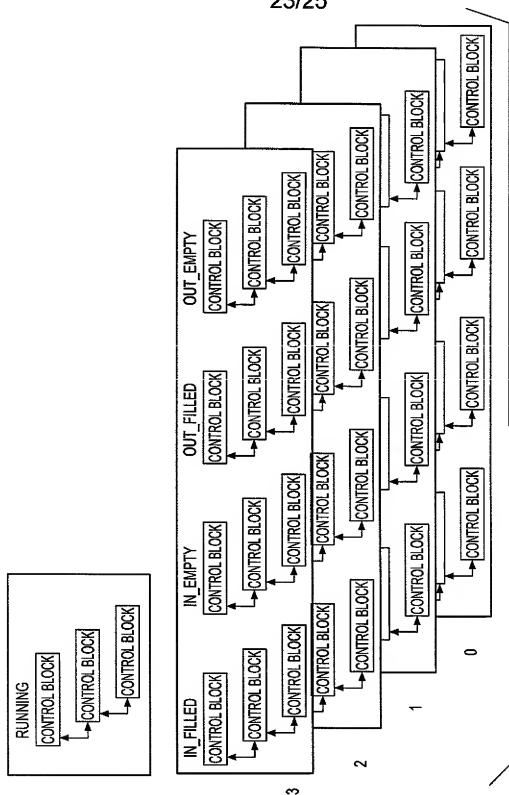


FIG. 24

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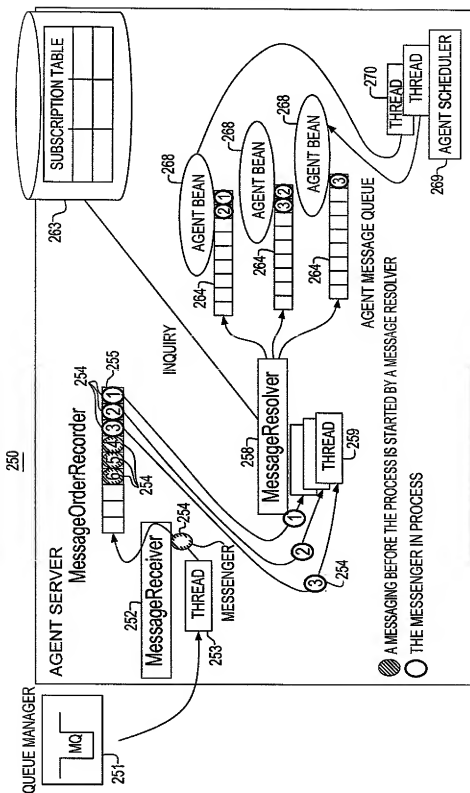


FIG. 25

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NotProcessed	REPRESENTS A STATE IN WHICH IT IS RECORDED BY THE MessageOrderRecorder AND NOT PROCESSED BY THE MessageResolver
DISTRIBUTING	REPRESENTS A STATE IN WHICH IT IS RECORDED BY THE MessageOrderRecorder AND CURRENTLY BEING PROCESSED BY THE MessageResolver
DISTRIBUTED	REPRESENTS A STATE IN WHICH IT IS RECORDED BY THE MessageOrderRecorder, COMPLETELY PROCESSED BY THE MessageResolver, AND INSERTED IN THE MESSAGE QUEUES OF ALL THE DESTINATION AGENTS
READY	REPRESENTS A STATE IN WHICH THE AGENT CAN PERFORM THE PROCESS. IT IS PUT IN THIS STATE EITHER WHEN IT IS ALREADY DELETED FROM THE RECORD OF THE MessageOrderRecorder OR WHEN IT IS AT THE HEAD OF THE RECORD OF THE MessageOrderRecorder.

FIG. 26